# *Daily Diary Report by Bid Item*

**Contract No.:** 04-0120F4
**Diary #:** 102 **Const Calendar Day:** 384 **Date:** 27-Sep-2010 **Monday**
**Inspector Name:** Brignano, Bob **Title:** Transportation Engineer
**Inspection Type:**
**Shift Hours:** **Break:** **Over Time:**
**Federal ID:**
**Location:**
**Reviewer:** Schmitt, Alex **Approved Date:** **Status:** Submit

**04-0120F4**
**04-SF-80-13.2/13.9**
**Self-Anchored**
**Suspension Bridge**

**Weather**

**Temperature** **7 AM** **12 PM** **4PM**
**Precipitation** **Condition**

Working Day ☑ If no, explain:

**Diary:** Dispute ☐

**General Comments**

ITEM 63, ERECT STRUCTURAL STEEL (BRIDGE) (PIPE BEAM):

Today, ABF is cleaning/preparing the concrete surface and the Macalloy rods where the hinge pipe beams will be erected. This work is being inspected by CT Engineer Matt Bruce. Today at about 1800, CT Senior Engineer Brian Boal and I visit the site for a field meeting regarding the cleaning with ABF (Manager Bob Kick, Engineer Zach Lauria, Superintendent Jerry Kent, and Superintendent Scott Smith).

ABF has been cleaning the concrete surface where the future grout pad needs to engage and bond to connect the W2 concrete surface to the hinge pipe beam base - friction surface (machined pattern) on the HPB base. There was some disagreement in the field earlier today about what was required, what was appropriate, and what was acceptable. The following items were discussed and concluded:

>ABF had been removing the denso grease from the rods. The denso grease is required per plan/CCO, so we agreed that it should be left in place. Additionally, where already removed, the denso grease needs to be reapplied.
>ABF needs to check threads on the rods and nuts by running the nuts on the ends of the rods where the nuts threads will engage the rod threads in the future. This is to verify the threads are ok at this time and to address any necessary issues with the threads before proceeding farther.
>The concrete surface is not acceptable and still needs some more cleaning. Specifically, around the Macalloy rods, there is un-removed spray foam (used to seal the forms during the concrete pour) and excess concrete peaks sticking out from the otherwise flat concrete. The foam needs to be completely removed and the concrete needs to be a flat surface against which the neoprene gaskets will bear to seal the area during the future grout pour. The neoprene gaskets are rings around the rods and seal the grout in the stage 1 grout pour (flat vertical grout pad between the concrete and the hinge pipe beam base/box) from leaking into the future stage 2 grout pour area (inside cells of the hinge pipe beam base/box where the Macalloy rods extend from the W2 concrete).
>There is a recessed blockout for the grout pad in the vertical face of the W2 concrete, which means there is a bottom ledge or horizontal surface (not actually horizontal since it is beveled/inclined). On this bottom ledge surface, there is an accumulation of debris. ABF needs to remove this debris that will be more difficult to remove later with the hinge pipe beam in place and is unacceptable to include in the grout pad pour.

Work on this operation will resume tomorrow. This work will be inspected by others at that time.